INTERNATIONAL SEARCH REPORT

International Allication No PCT/EP 03/13142

A CLASSIF	E21B47/00 E21B47/08 E21B47/1	0 G01V5/10								
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED										
Minimum documentation searched (classification system followed by classification symbols) IPC 7 E21B G01V										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)										
EPO-Internal, WPI Data, TULSA, PAJ										
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to daim No.							
A	EP 0 645 520 A (WESTERN ATLAS INT 29 March 1995 (1995-03-29) claim 1	INC)	1,11							
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Furt	Further documents are listed in the continuation of box C. Patent family members are listed in annex.									
A docume consider the consideration that consideration c	ent which may throw doubts on priority claim(s) or its cited to establish the publication date of another on or other special reason (as specified) entire from or other to the internation of the priority to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed	T later document published after the international filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the invention X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. &* document member of the same patent family								
1	actual completion of the international search	Date of mailing of the international sear	rch report							
	26 February 2004	04/03/2004								
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Schouten, A								

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